

DRAFT STATEMENT OF PURPOSE FOR THE STORMWATER SAMPLING METHODOLOGY WORKGROUP

GOALS

- EPA, LWG, DEQ and the City have a shared understanding about the strengths and weaknesses of various stormwater data collections methodologies and a common rationale for deciding which methods to use to meet various PH data needs.
- Each party is generally able to support the use of a particular sampling methodology by another party for a given purpose, i.e., while disagreements may arise about the way data was used to make decisions, or the decisions themselves, the methodologies used to collect stormwater data are not the focus of debate.

PURPOSE

1. Evaluate and make recommendations about methods and techniques for collecting and analyzing stormwater data to meet source control, RI/FS and/or Outfall IGA needs.
2. Identify data gaps and make recommendations for additional studies or other efforts that are needed to meet PH data needs.
3. As work progresses, identify and refer issues to PH managers that they will need to resolve so these can be addressed asap, and identify any recommendations or interpretations where the group is not in full agreement.

DATA NEEDS (this section is very rough and will need some work)

Source Control

Determine that stormwater from a particular source will not recontaminate sediment, will not result in a risk (toxicity) in the aquatic environment, and will not result in an unacceptable load to fish tissue (bioaccumulation).

Be able to estimate contaminant loading post-source control in order to evaluate the need for additional long term controls.

In-Water RI/FS

DQO #1: Understand contribution of stormwater to fish tissue burdens.

DQO #2: Understand contribution of stormwater chemicals to sediment recontamination.

Seeing higher levels in fish tissue than what you would expect based upon sediment concentration. Even if you zero out the sediment contribution to fish tissue, you still see an exceedence. How much is bioaccumulation and how much is exposure? Where is it coming from? Sediment resuspension? Upstream source? Pulsing of stormwater?

City Outfall IGA

Same questions as source control. Source tracing is also an interest.